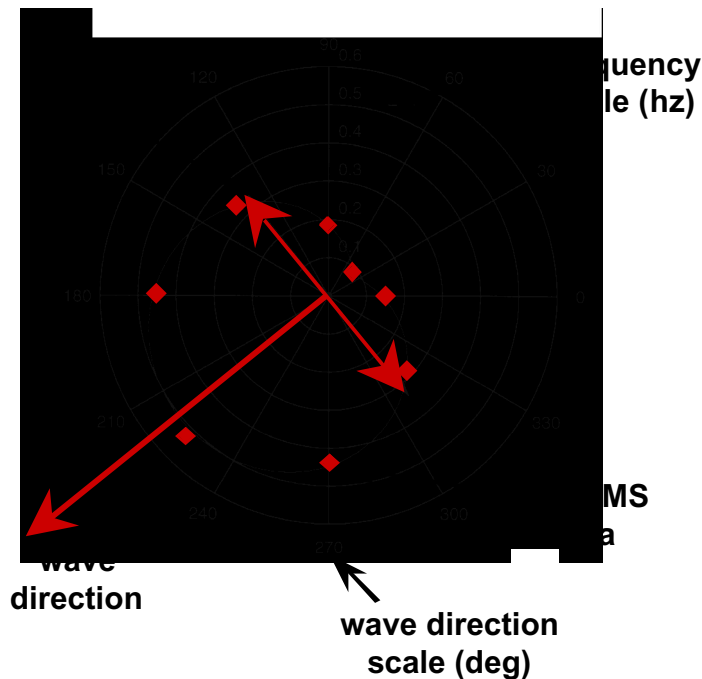


SHIPBOARD WAVE MEASUREMENT SYSTEM (SWMS)



Results from Sea Trial (14 Aug 98)

	Wave-rider Buoy	SWMS
Wave Direction:	225 deg	226 deg
Wave Period:	3.08 sec	3.08 sec
Wave Length:	n/a	28.6 m

The Naval Research Laboratory has developed the Shipboard Wave Measurement System (SWMS) for direct measurement from a moving surface or subsurface vessel of the height, direction, length, and period of waves. Tests at sea indicate good agreement (within 1%) with measurements by wave-rider buoys, the currently used technology.

Advantages include:

- ❖ Accurate, yet rapid, wave and current measurement
- ❖ Measurement at location of interest, not restricted by placement of Government agency's buoys
- ❖ No off-board equipment required
- ❖ Operable on any surface or subsurface vessel

Applications include:

- ❖ Oceanographic surveys
- ❖ Off-shore construction or diving
- ❖ Salvage operations

Patent licenses are available to companies with commercial interest.

Point of Contact

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